



On Grid Inverter

☉ 3Phase

AU50/60K3P AU70/75K3P-HV

Advantage

☉ This series is a three-phase grid-tied PV string inverter (transformer less) that converts the DC power generated by PV strings into AC power and feeds the power into power grid.



Flexible design

Small size, light weight, support manual installation, reduce user installation and maintenance cost



Efficient conversion

Transformerless,max. efficiency is up to 99%; Euro. efficiency is up to 98.5% Total current THD <2%



Grid friendly

Active and passive anti-islanding protection Continuously adjustable active power (0-100%) function



Excellent qualities

CQC Gold Sun Certification, TUV Certification, SAA Certification, CE Certification



Model	AU50K3P	AU60K3P	AU70K3P-HV	AU75K3P-HV
PV Input				
Max. DC input power(kW)	75	90	105	112.5
Max. DC input voltage(V)	1100			
Max. DC input current(A)	45/45/45			
Max. short circuit current(A)	56/56/56			
MPPT voltage range(V)	250~1000			
Rated DC input voltage(V)	650		740	
Number of MPP trackers	3			
Strings per MPP tracker	3		4	
AC Output				
Rated output power(kW)	50	60	70	75
Max. output power(kVA)	55	66	77	82.5
Max. output current(A)	80	96	89	95
Rated grid voltage(V)	400		500	
Grid voltage range(V)	310~480		422~550	
Rated grid frequency(Hz)	50/60			
Grid frequency range(Hz)	45~55/55~65			
THDi	< 2% (Under the rated power)			
Power factor	0.8 leading ~ 0.8 lagging			
DC current injection	< 0.5% (Under the rated power)			
Efficiency				
Max. efficiency	98.7%	98.9%	99%	
European efficiency	98.3%	98.5%	98.5%	
Protection				
DC reverse-polarity protection	Yes			
Short circuit protection	Yes			
Output over current protection	Yes			
Output over voltage protection	Yes			
Insulation resistance monitoring	Yes			
Residual current detection	Yes			
Surge protection	Yes			
Grid monitoring	Yes			
Islanding protection	Yes			
Temperature protection	Yes			
Integrated DC switch	Yes			
Others				
Operating temperature range(℃)	-25~+60			
Humidity range	0-100% non-condensing			
Operating altitude(m)	< 4000			
Power consumption at night(W)	< 1			
Protection degree	IP66			
Display	LED /LCD (optional)			
Communication interface	RS485/Wifi/GPRS(optional)			
Cooling method	Intelligent forced air cooling			
Size(W×H×D mm)	681×660×282			
Weight(kg)	47			
Standard				
EN/IEC 62109-1/2 , EN/IEC 61000,EN 50549, IEC61727/62116/61683				